

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033080.D
 Acq On : 4 Jan 2019 23:00
 Operator : SY/AP
 Sample : J6594-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1D-2018-12-19DL

Quant Time: Jan 05 01:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	989087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2405775	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2219084	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1680698	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

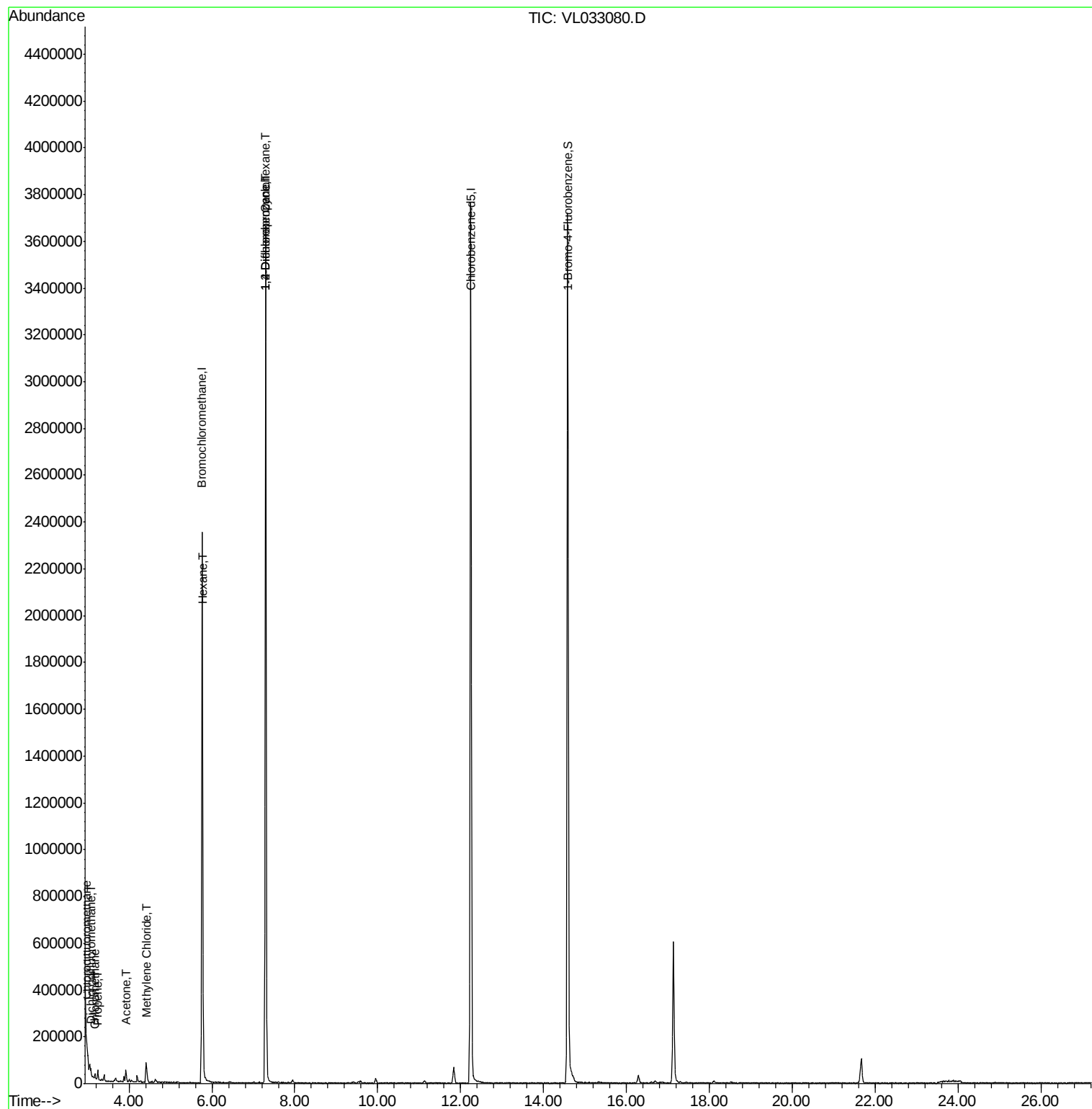
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	14385	0.078	ppbv	93
3) Chlorodifluoromethane	2.99	51	20553	0.184	ppbv #	74
4) Chloromethane	3.18	50	12172	0.190	ppbv	98
9) Propene	3.24	41	6366	0.152	ppbv	91
15) Acetone	3.92	43	43449	0.317	ppbv	98
20) Methylene Chloride	4.41	84	13558	0.238	ppbv	96
26) Hexane	5.78	57	10149	0.093	ppbv #	41
30) Cyclohexane	7.28	84	4257	0.052	ppbv #	2
39) 1,2-Dichloropropane	7.29	63	613886	8.292	ppbv #	23

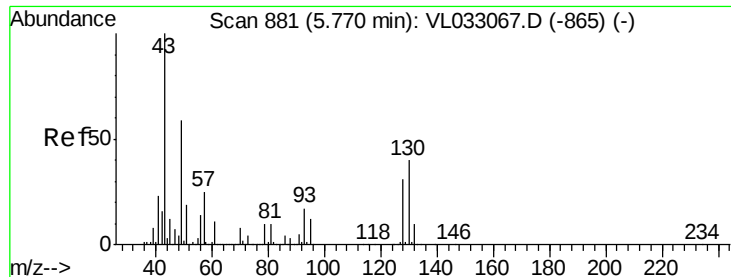
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
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QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033080.D

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Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DL

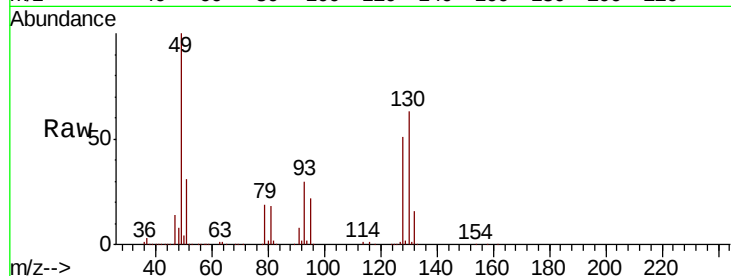
Tgt Ion: 49 Resp: 989087

Ion Ratio Lower Upper

49 100

128 52.7 26.2 78.5

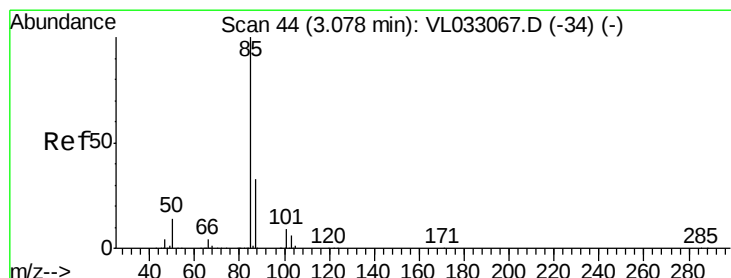
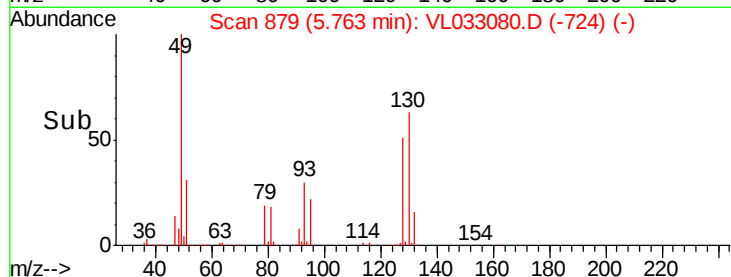
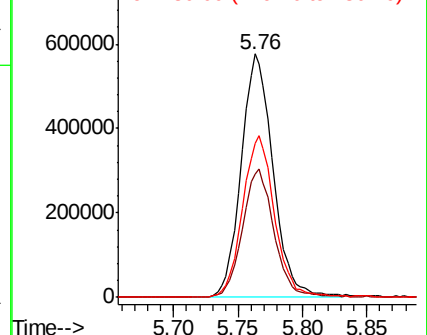
130 67.4 33.6 100.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.078 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033080.D

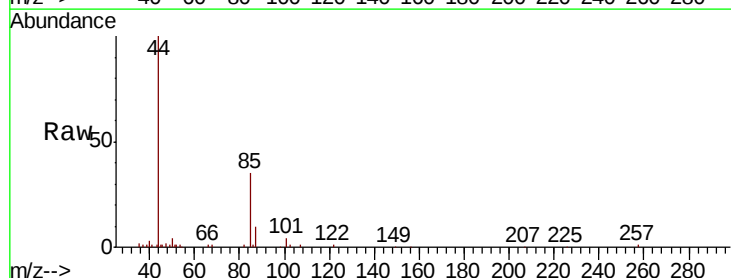
Acq: 4 Jan 2019 23:00

Tgt Ion: 85 Resp: 14385

Ion Ratio Lower Upper

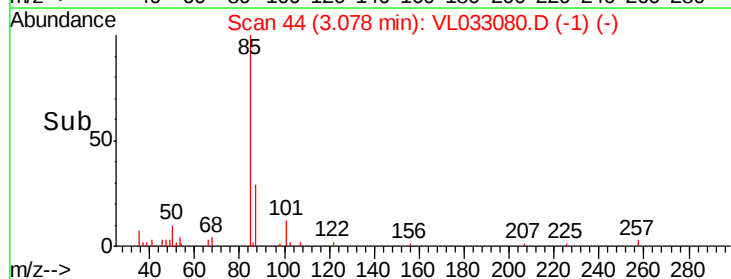
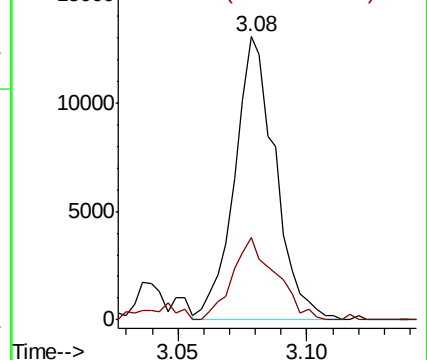
85 100

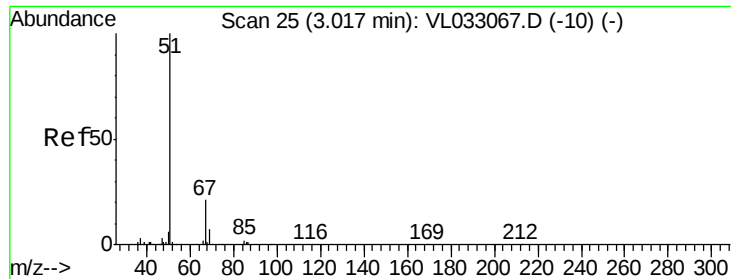
87 29.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.184 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.02 min

Lab File: VL033080.D

Acq: 4 Jan 2019 23:00

Instrument :

MSVOA_L

ClientSampleId :

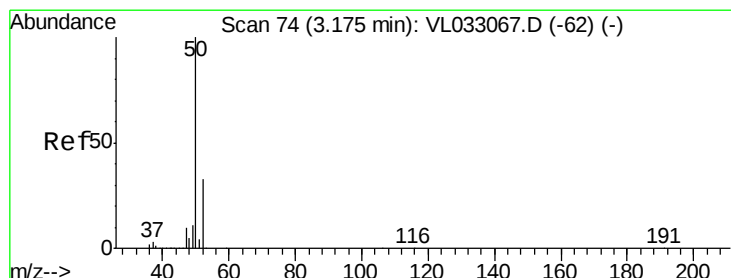
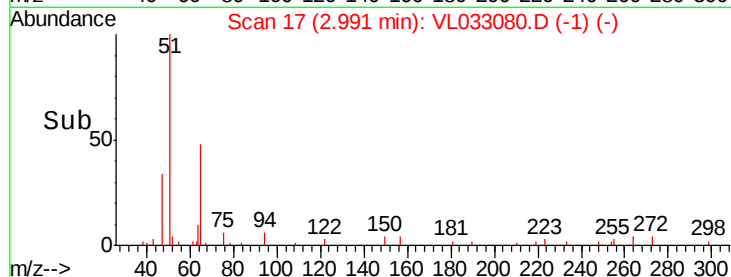
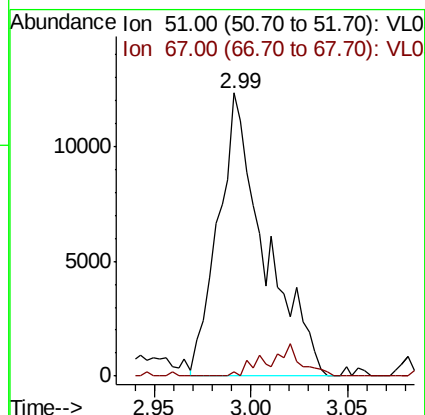
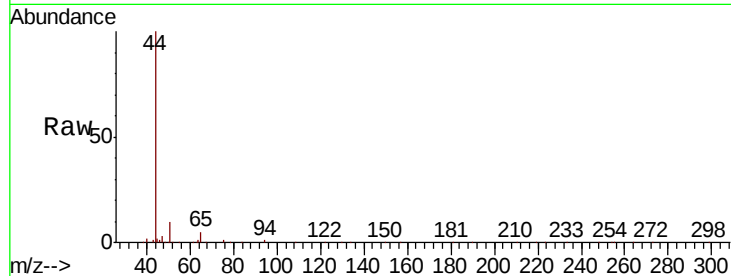
SVI-IA1D-2018-12-19DL

Tgt Ion: 51 Resp: 20553

Ion Ratio Lower Upper

51 100

67 8.2 16.3 24.5#



#4

Chloromethane

Concen: 0.190 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL033080.D

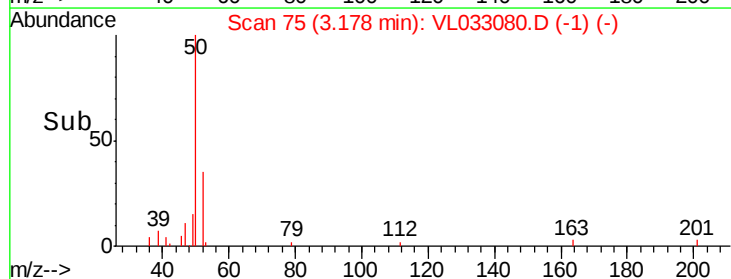
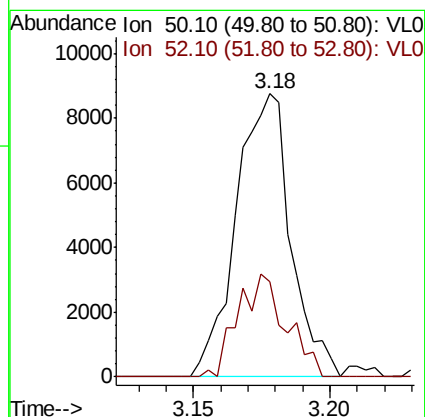
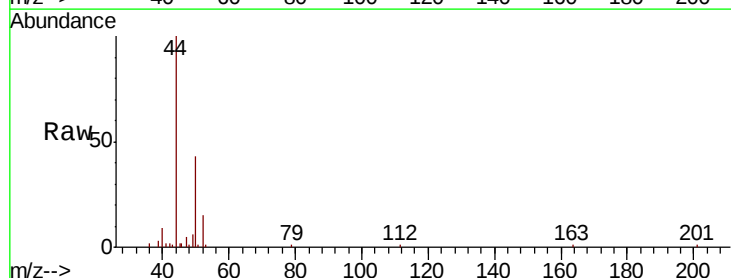
Acq: 4 Jan 2019 23:00

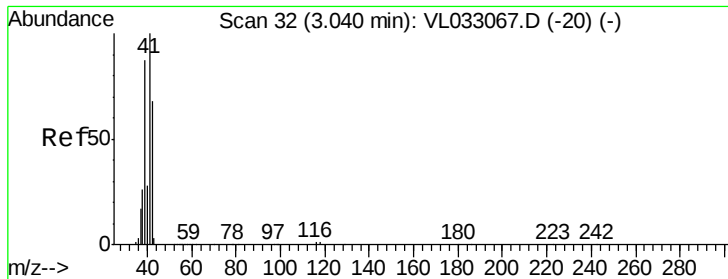
Tgt Ion: 50 Resp: 12172

Ion Ratio Lower Upper

50 100

52 32.7 26.9 40.3





#9

Propene

Concen: 0.152 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.21 min

Lab File: VL033080.D

Acq: 4 Jan 2019 23:00

Instrument :

MSVOA_L

ClientSampleId :

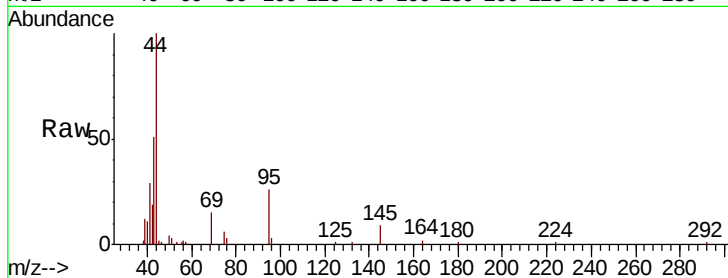
SVI-IA1D-2018-12-19DL

Tgt Ion: 41 Resp: 6366

Ion Ratio Lower Upper

41 100

42 76.0 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.24

6000

5000

4000

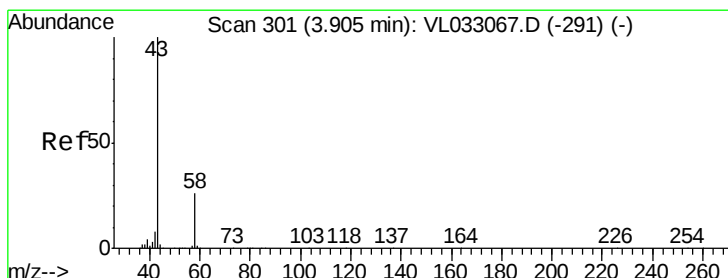
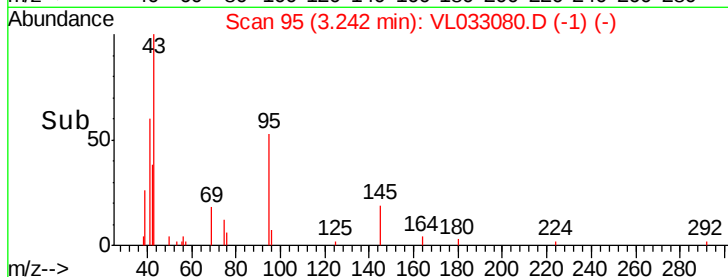
3000

2000

1000

0

Time-->



#15

Acetone

Concen: 0.317 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033080.D

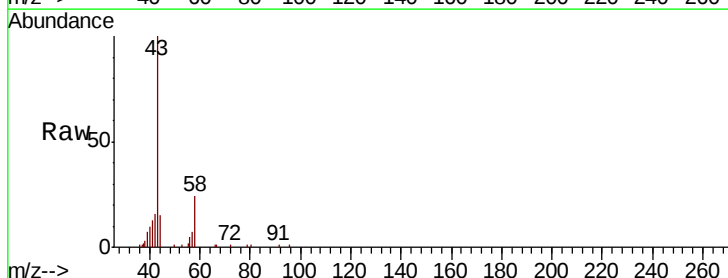
Acq: 4 Jan 2019 23:00

Tgt Ion: 43 Resp: 43449

Ion Ratio Lower Upper

43 100

58 25.4 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

30000

25000

20000

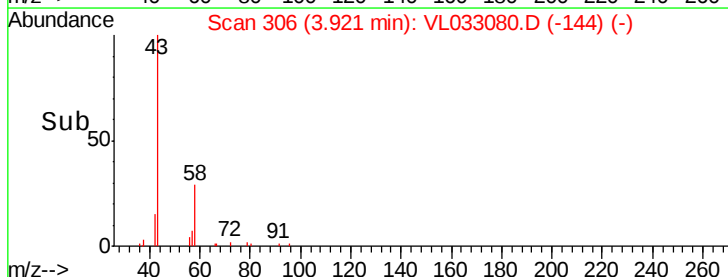
15000

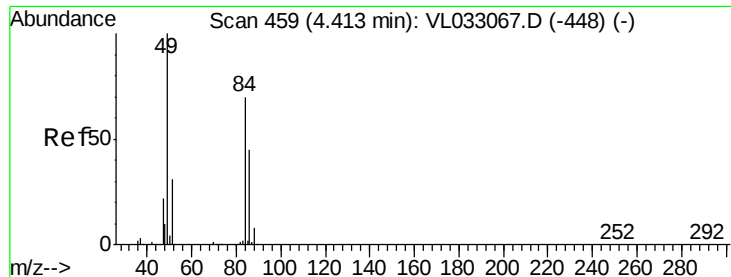
10000

5000

0

Time-->

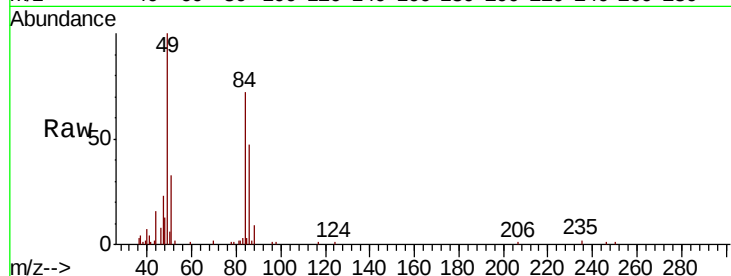




#20
Methylene Chloride
Concen: 0.238 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033080.D
Acq: 4 Jan 2019 23:00

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1D-2018-12-19DL

Tgt Ion:	84	Resp:	13558
Ion	Ratio	Lower	Upper
84	100		
49	138.1	115.8	173.6
51	44.1	35.7	53.5
86	65.2	49.7	74.5



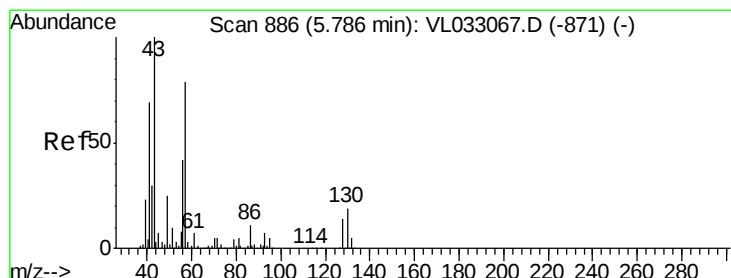
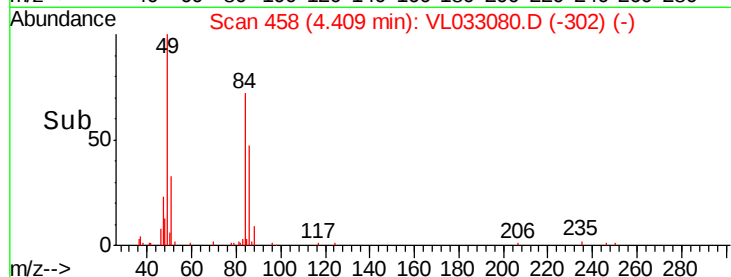
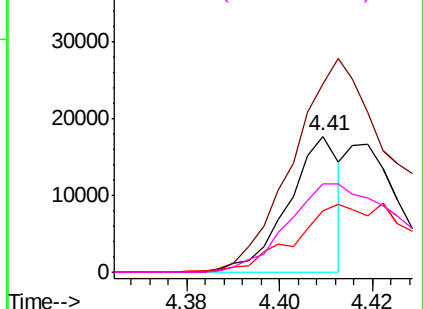
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

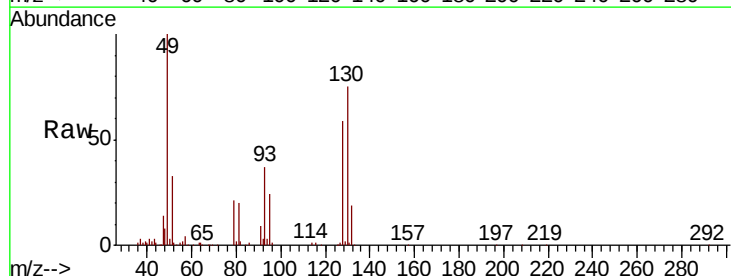
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26
Hexane
Concen: 0.093 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033080.D
Acq: 4 Jan 2019 23:00

Tgt Ion:	57	Resp:	10149
Ion	Ratio	Lower	Upper
57	100		
41	115.0	70.8	106.2#
43	87.6	171.8	257.6#
56	71.1	41.9	62.9#



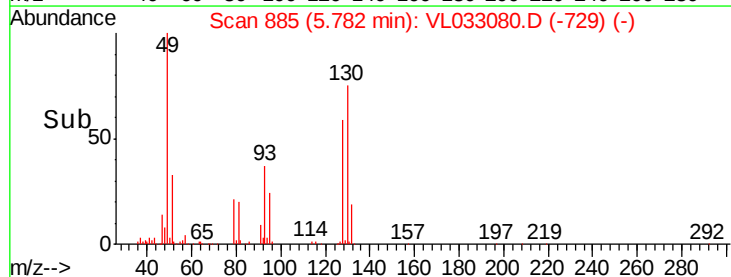
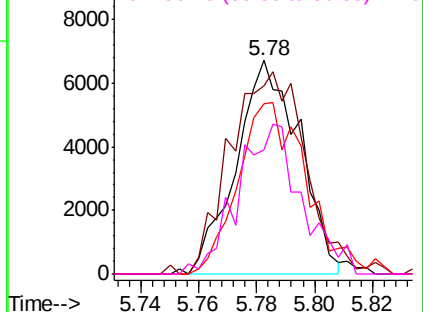
Abundance

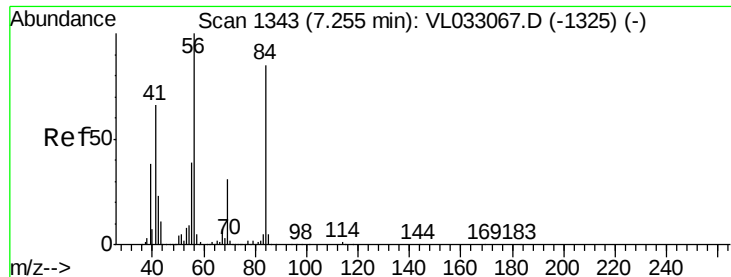
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

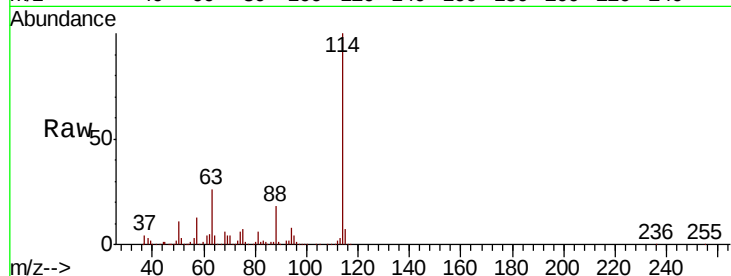




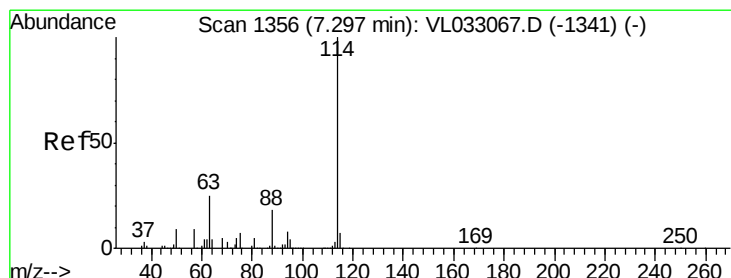
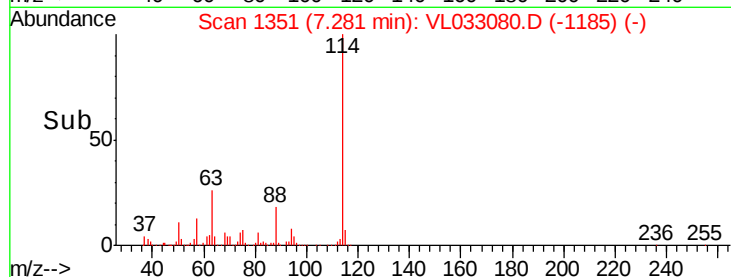
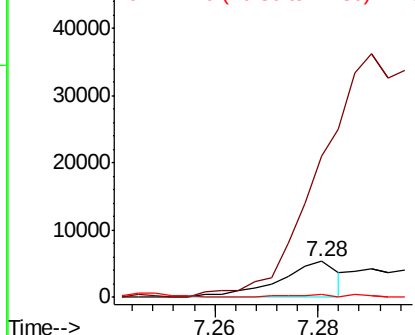
#30
Cyclohexane
Concen: 0.052 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. 0.03 min
Lab File: VL033080.D
Acq: 4 Jan 2019 23:00

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 84 Resp: 4257
Ion Ratio Lower Upper
84 100
56 0.0 101.8 152.6#
41 11.1 63.2 94.8#

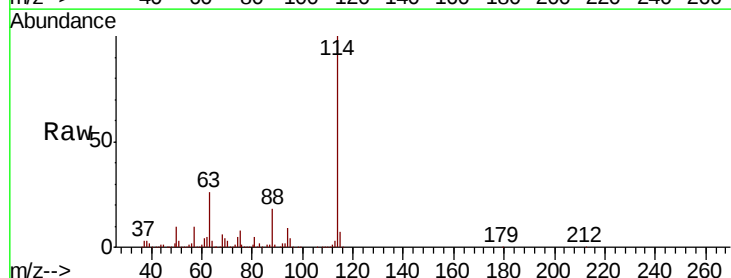


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

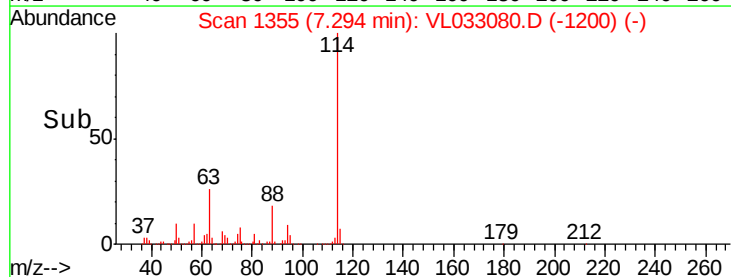
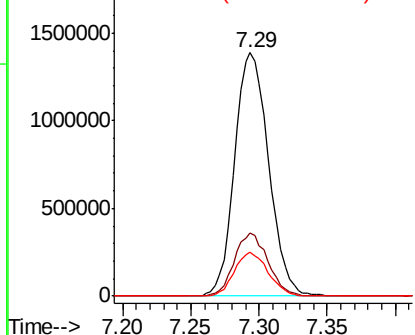


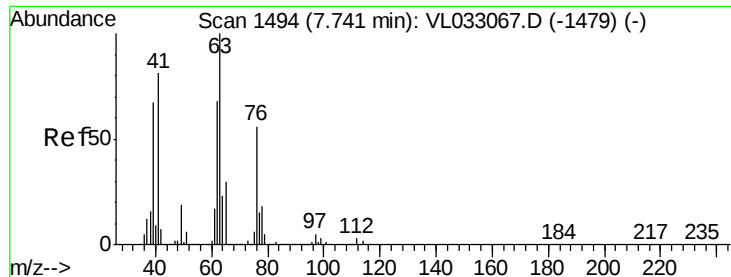
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033080.D
Acq: 4 Jan 2019 23:00

Tgt Ion: 114 Resp: 2405775
Ion Ratio Lower Upper
114 100
63 25.7 20.1 30.1
88 18.0 14.0 21.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

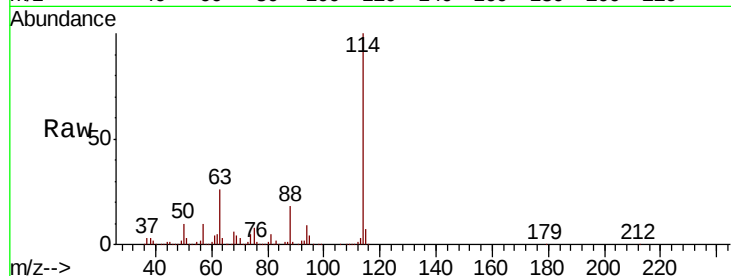




#39
 1,2-Dichloropropane
 Concen: 8.292 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.45 min
 Lab File: VL033080.D
 Acq: 4 Jan 2019 23:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1D-2018-12-19DL

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	18.3	55.8	83.6#

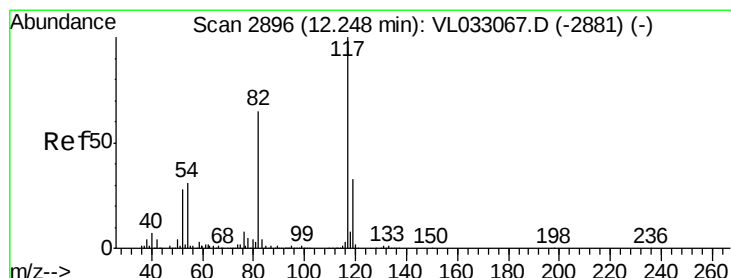
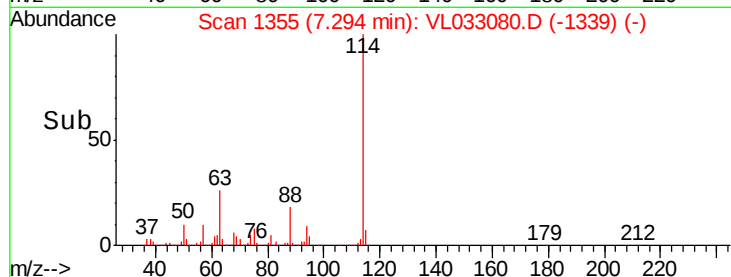
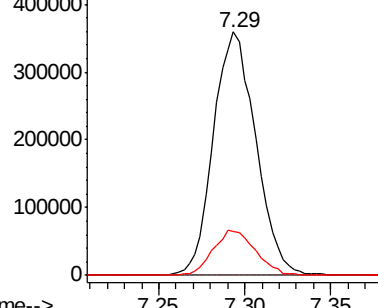


Abundance

Ion 63.10 (62.80 to 63.80): VL0

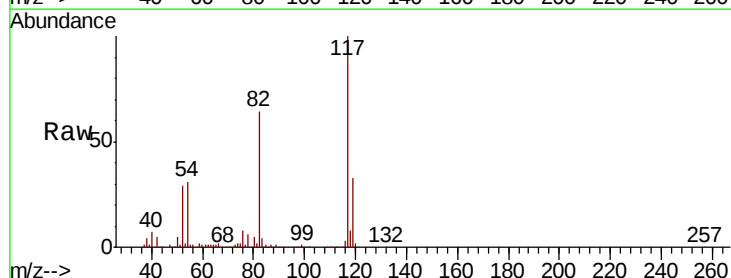
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: VL033080.D
 Acq: 4 Jan 2019 23:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.3	48.9	73.3
119	32.7	24.6	37.0

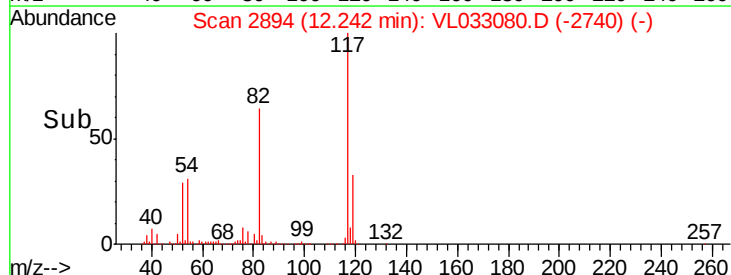
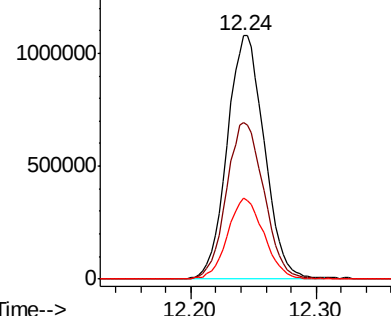


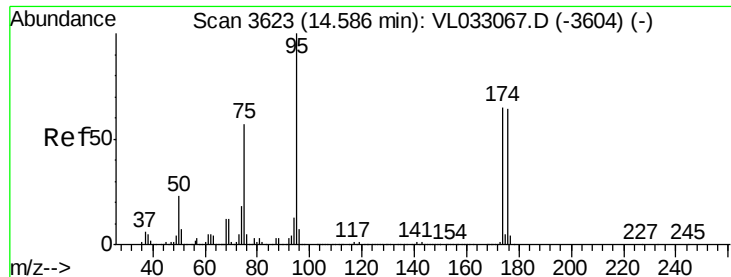
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.880 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL033080.D

Acq: 4 Jan 2019 23:00

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1D-2018-12-19DL

Tgt Ion: 95 Resp: 1680698

Ion Ratio Lower Upper

95 100

174 64.0 51.9 77.9

175 4.6 3.9 5.9

